



UNITED STATES PATENT AND TRADEMARK OFFICE

First Named  
Inventor : Jing Gui

Appln. No.: 09/761,348

Filed : January 16, 2001

For : PRESSURE RELIEF TRENCHES FOR  
SLIP HEADS TO REDUCE STICTION

Docket No.: S01.12-0695

T. W. with 2652  
9/4/01  
AMDTB #7

RECEIVED

AUG 31 2001

Technology Center 2600

Group Art Unit: 2652

Examiner: R. Tupper

**AMENDMENT**

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
ASSISTANT COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231, THIS

27 DAY OF August 2001

  
PATENT ATTORNEY

Sir:

This Amendment is in response to the Office Action  
mailed on July 6, 2001. Please amend the above-identified  
application as follows:

IN THE SPECIFICATION

Please replace the paragraph beginning at Page 8, Line 29 and  
ending at Page 10, Line 5 with the following:

**B1** The stiction force 114 of the slider 110, 112 relative  
to the disc surface was measured for each rotation direction. As  
shown, the stiction 114-1 for slider 110 in the forward rotation  
direction was significantly less than the stiction 114-2 measured  
in the backward rotation direction. Similarly, the stiction force  
114-3 for slider 112 in the forward direction was significantly  
less than the stiction force 114-4 measured in the backward  
rotation direction. The large discrepancy in stiction is  
attributed to an increase meniscus 106 introduced by the slider  
tipping as illustrated in FIG. 5 when the slider was subjected to  
a backward rotation direction of the disc prior to stiction  
measurement so that the friction force drives the slider towards  
tipping.

21

B